TO: Suborbital Science Program **FAX: (202) 358-2770**
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Attn: Randy Albertson

Flight Report

Aircraft :	Kenn Borek Air DC-3T Basler
Operating Site(s) From / To :	NZIR/NZIR
Flight Date :	November 25, 2009 (NZDT)
Flight Number / Data Flight # :	F10 / 7
Time out:	**0128 UTC**
Time in:	**0832 UTC**
Flight Time :	7:04 hrs
Flt Request # / PI:	NASA 20090602-084128 (Blankenship)
Purpose of Flight :	**Data [X] Ferry [ ] Functional Check [ ] Other [ ]**
Sensor Payload :	University of Texas at Austin HiCARS (and HiCARS II) ice penetrating radar; UT Reigl LD-90 laser distance meter; UT Geometrics 823-A magnetometer; USAF Sigma Space photon counting lidar
Comments :	The aircraft flew its four survey flight in its NASA/NERC/NSF ICEBRIDGE/ICECAP configuration from McMurdo's sea ice runway. The radar hardware, laser altimeter (non-scanning) and magnetic fields instruments all performed well. The lidar prototype collected swath data across the entire flight, while a complementary nadir looking camera collected data. All systems acquired data over the Byrd Glacier lake district, flying along ICESAT tracks 1325, 239, and 016, the latter lines extending coverage from earlier flights. A prototype radar acquisition system was tested on the return leg to McMurdo, once surveying was complete.

SUBMITTED BY: Duncan Young 28 November 2009